

Title (en)

CLEAR-RINSING AGENTS FOR THE MACHINE-CLEANING OF HARD SURFACES

Title (de)

KLARSPÜLMITTEL FÜR DIE MASCHINELLE REINIGUNG HARTER OBERFLÄCHEN

Title (fr)

LIQUIDES DE RINAGE POUR LE NETTOYAGE MÉCANIQUE DE SURFACES DURES

Publication

EP 0708815 A1 19960501 (DE)

Application

EP 94924231 A 19940704

Priority

- DE 4323253 A 19930712
- EP 9402187 W 19940704

Abstract (en)

[origin: US5691300A] PCT No. PCT/EP94/02187 Sec. 371 Date Feb. 28, 1996 Sec. 102(e) Date Feb. 28, 1996 PCT Filed Jul. 4, 1994 PCT Pub. No. WO95/02666 PCT Pub. Date Jan. 26, 1995A process for rinsing hard surfaces comprising contacting the hard surfaces with an aqueous rinse aid composition containing fatty acid-N-alkyl polyhydroxyalkyl amides corresponding to formula I: <IMAGE> (I) wherein R₁CO is an aliphatic acyl radical containing 6 to 22 carbon atoms, R₂ is hydrogen, an alkyl or hydroxyalkyl radical containing 1 to 4 carbon atoms, and [Z] is a linear or branched polyhydroxyalkyl radical containing 3 to 10 carbon atoms and 3 to 10 hydroxyl groups.

IPC 1-7

C11D 1/52; C11D 1/835

IPC 8 full level

C07C 233/18 (2006.01); **C09K 23/22** (2022.01); **C11D 1/52** (2006.01); **C11D 1/835** (2006.01); **C11D 1/66** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP US)

C07C 233/18 (2013.01 - EP US); **C11D 1/525** (2013.01 - EP US); **C11D 1/835** (2013.01 - EP US); **C11D 1/662** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US)

Citation (search report)

See references of WO 9502666A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL PT SE

DOCDB simple family (publication)

US 5691300 A 19971125; AT E176921 T1 19990315; CA 2167170 A1 19950126; DE 4323253 C1 19950105; DE 59407849 D1 19990401; DK 0708815 T3 19990927; EP 0708815 A1 19960501; EP 0708815 B1 19990224; ES 2129661 T3 19990616; WO 9502666 A1 19950126

DOCDB simple family (application)

US 56923896 A 19960228; AT 94924231 T 19940704; CA 2167170 A 19940704; DE 4323253 A 19930712; DE 59407849 T 19940704; DK 94924231 T 19940704; EP 9402187 W 19940704; EP 94924231 A 19940704; ES 94924231 T 19940704